

◀ **BEST PRACTICE** **INFORMATION** ▶



Thickness testing of pressure system pipelines.

The interruption of fluid flow and/or failure of pumping equipment can create potentially dangerous situations. Pressurised fluid (albeit concrete, bentonite, grout, water or air) escaping from the enclosed pumping system has the potential to strike workers and others, causing injury. Burst pipelines and associated equipment also pose a risk to pumping workers, delivery truck drivers and others working in and around the designated pumping area. With regular testing of the thickness of pipeline walls, we can be alerted of excessive wear and potential failure of the pipeline. Minimum thickness of pipes are specified by manufacturers with pipes being replaced when required.

Thickness testing is currently undertaken by BMV on the C510 Liverpool Street and Whitechapel Project, using Baugh & Weedon Audit 106 ultrasonic thickness gauges.



The Audit 106 has 10 preset calibrations to measure, amongst others, mild steel, stainless steel, aluminium, copper and iron ranging in thickness from 1.5mm to 99.9mm, with a sensitivity of 0.1mm. The Audit 106 unit contains a 6mm test block on the front panel which serves as a confidence check to ensure the correct operation of the instrument and probe.

For further details, visit <http://bw-nde.com/our-products/audit-series>